

FIG. 1

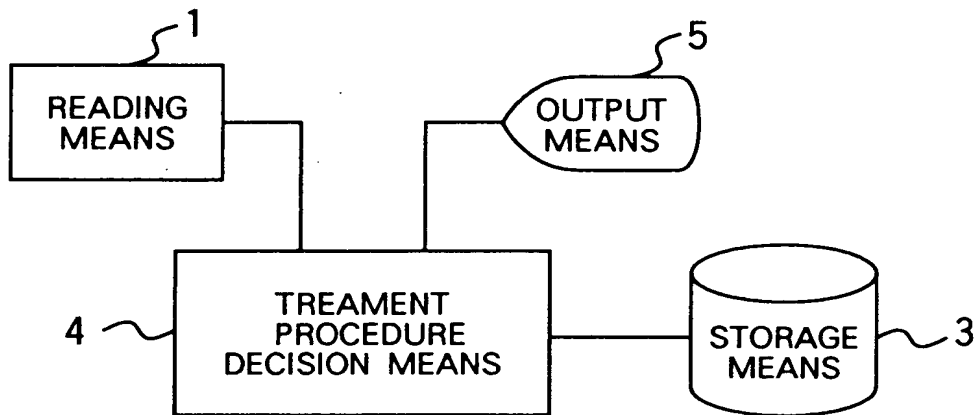


FIG. 2

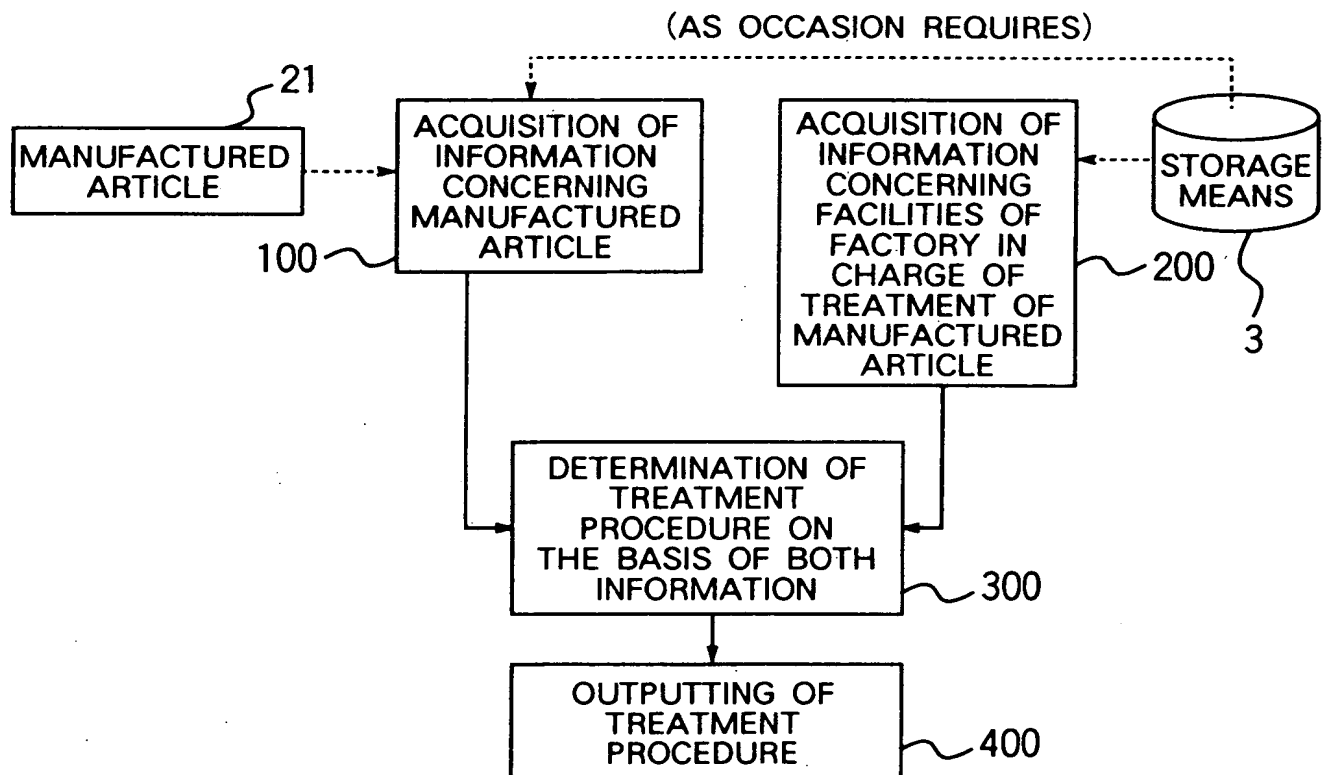


FIG. 3

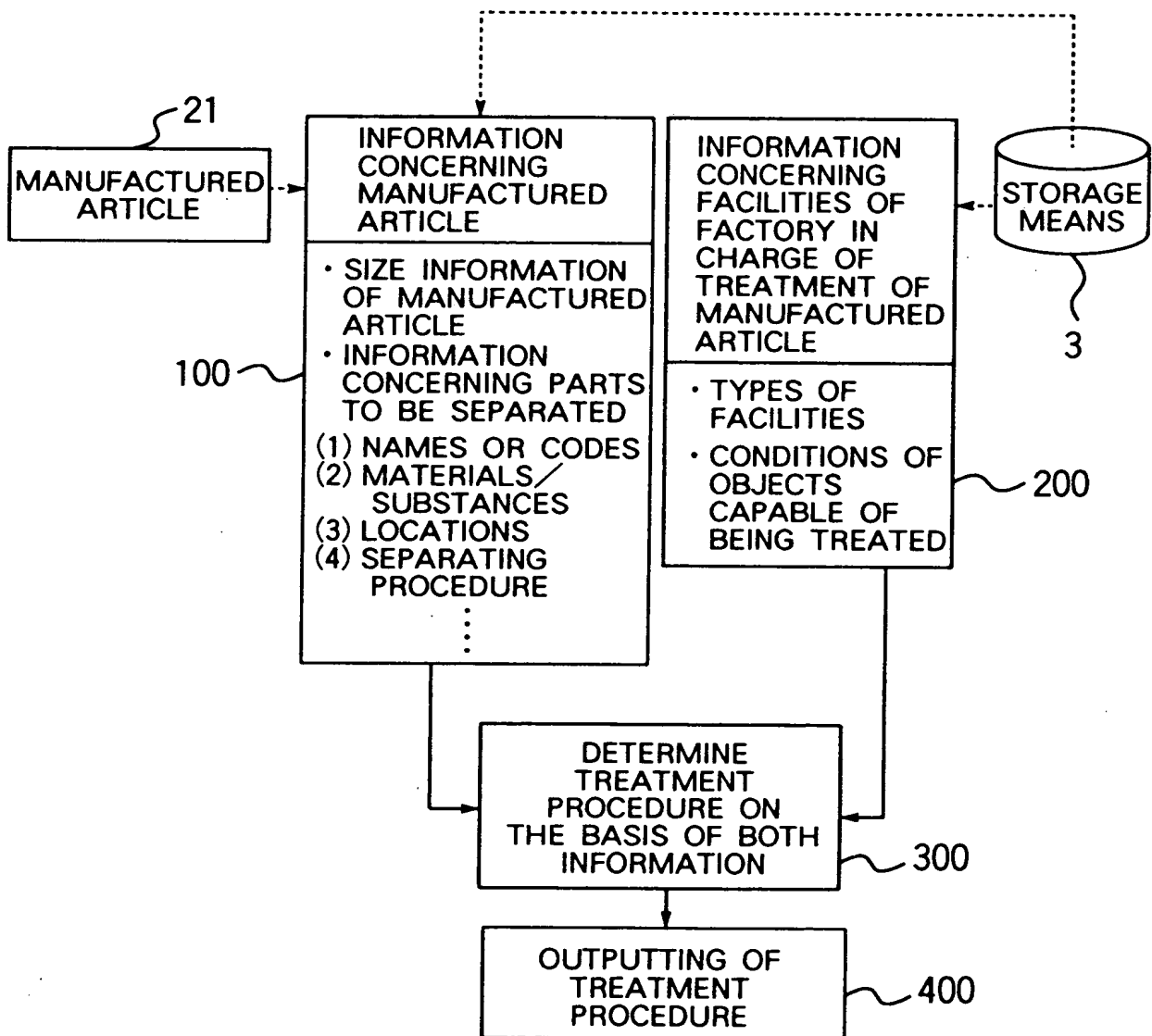


FIG. 4

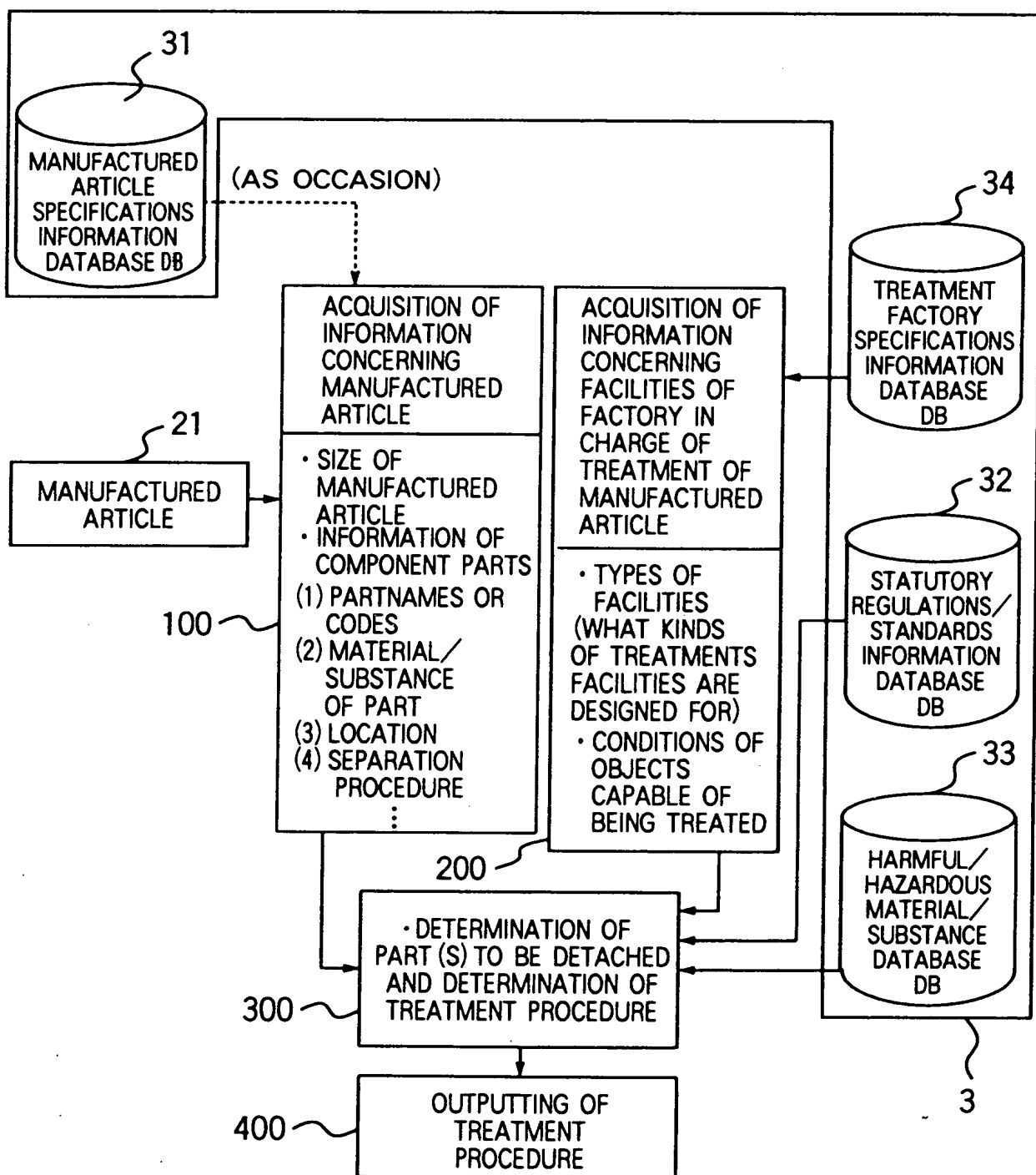


FIG. 5

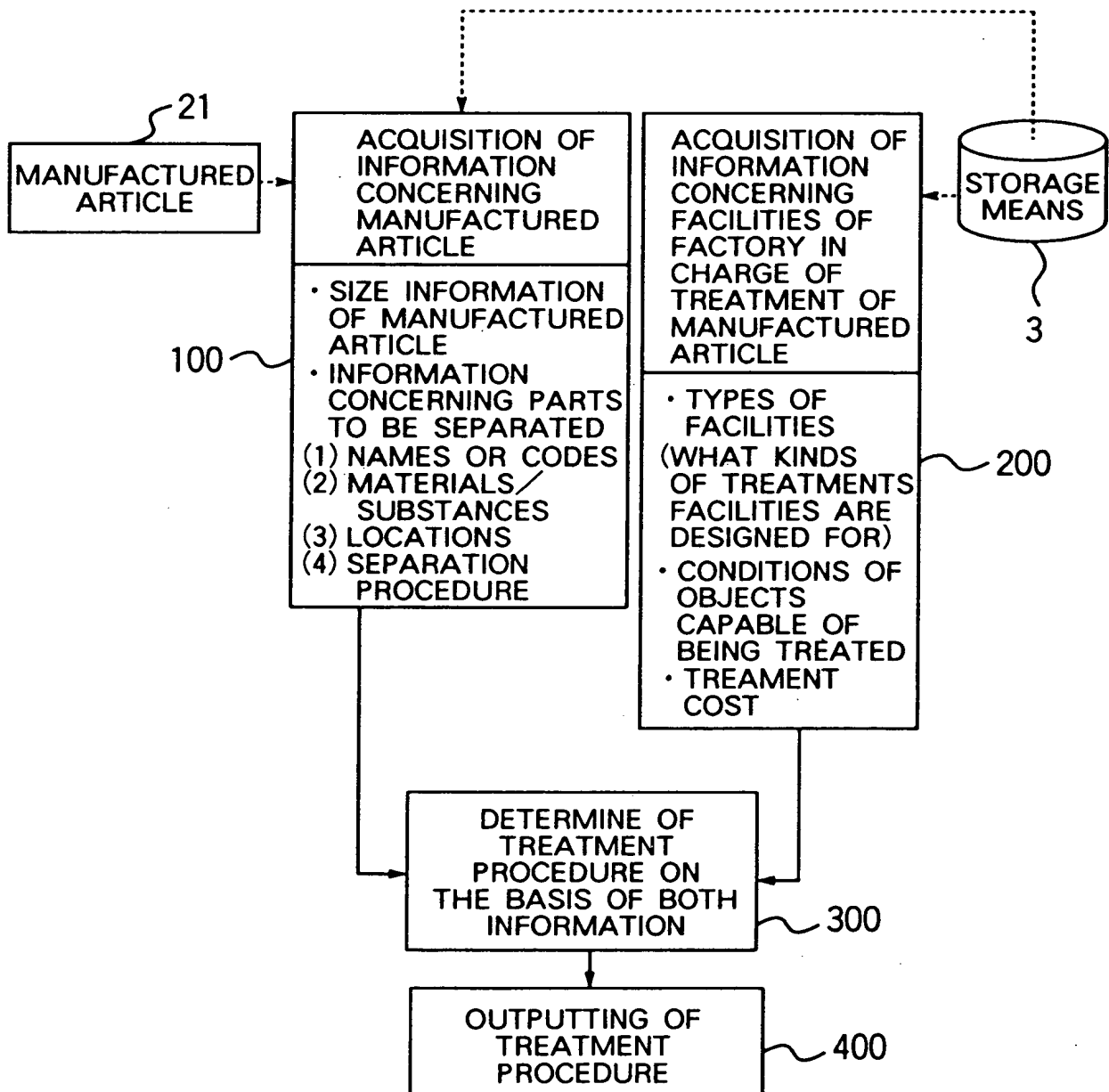


FIG. 6

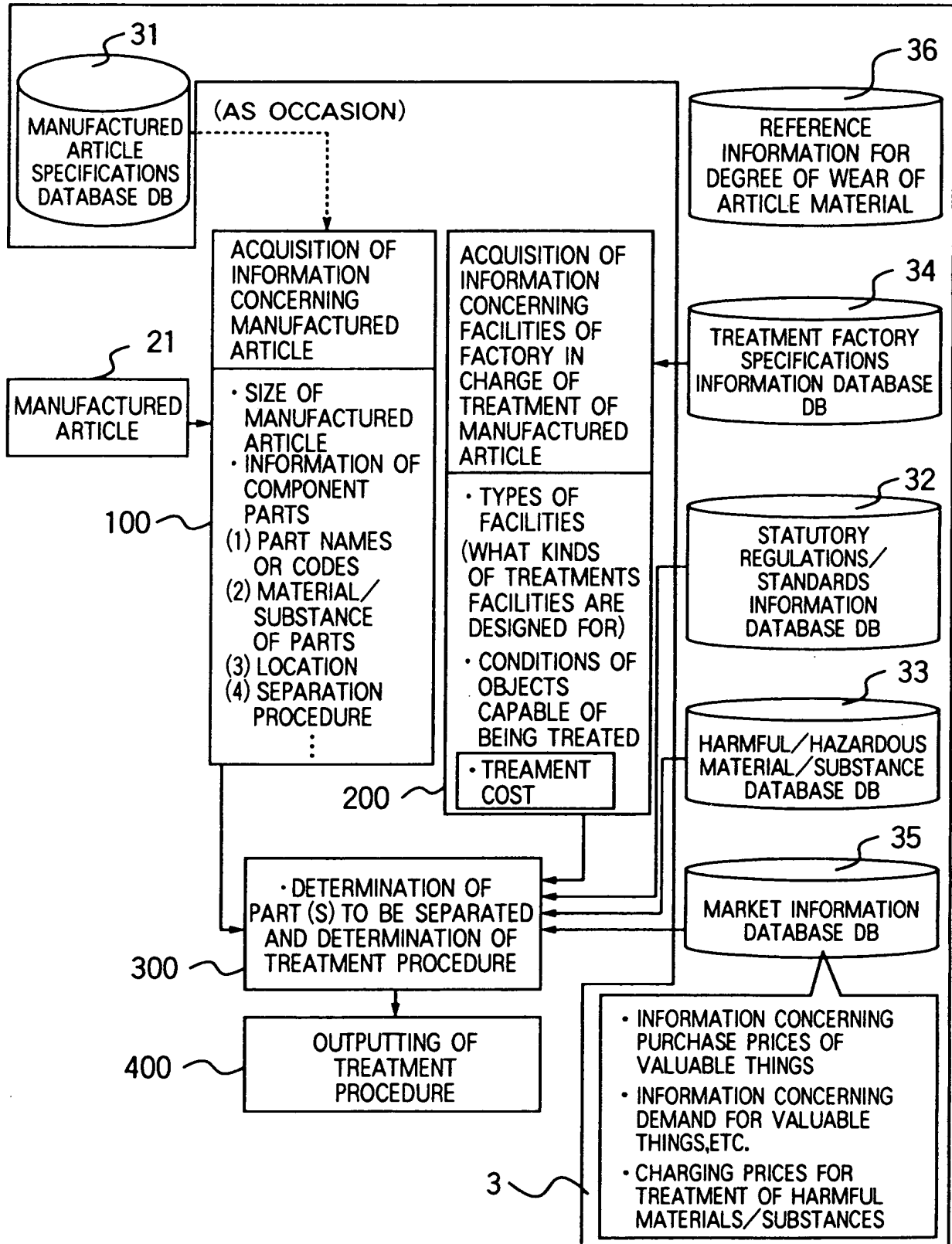


FIG. 7

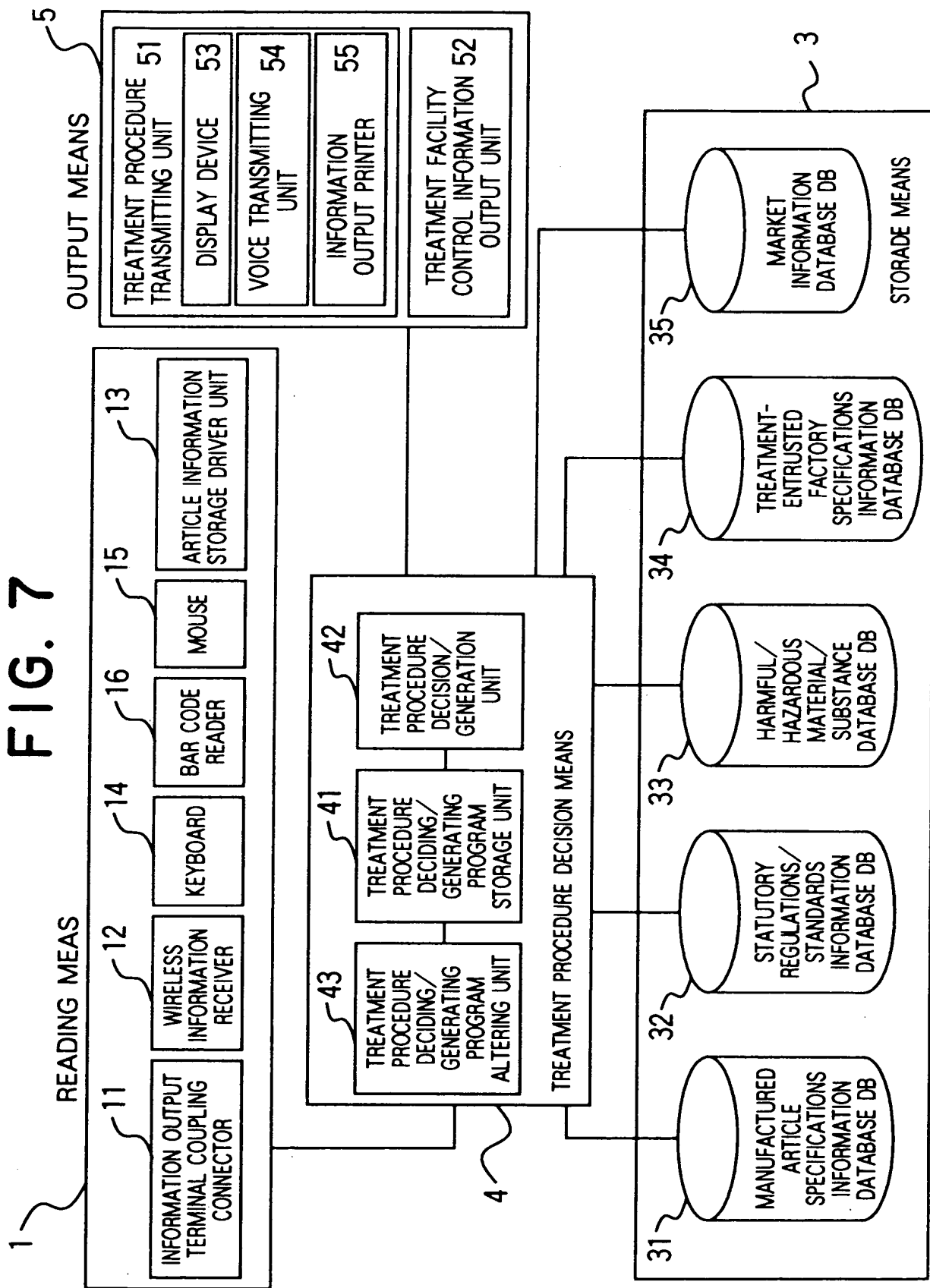


FIG. 8

EXAMPLE OF STATUTORY REGULATIONS/STANDARDS INFORMATION DATABASE

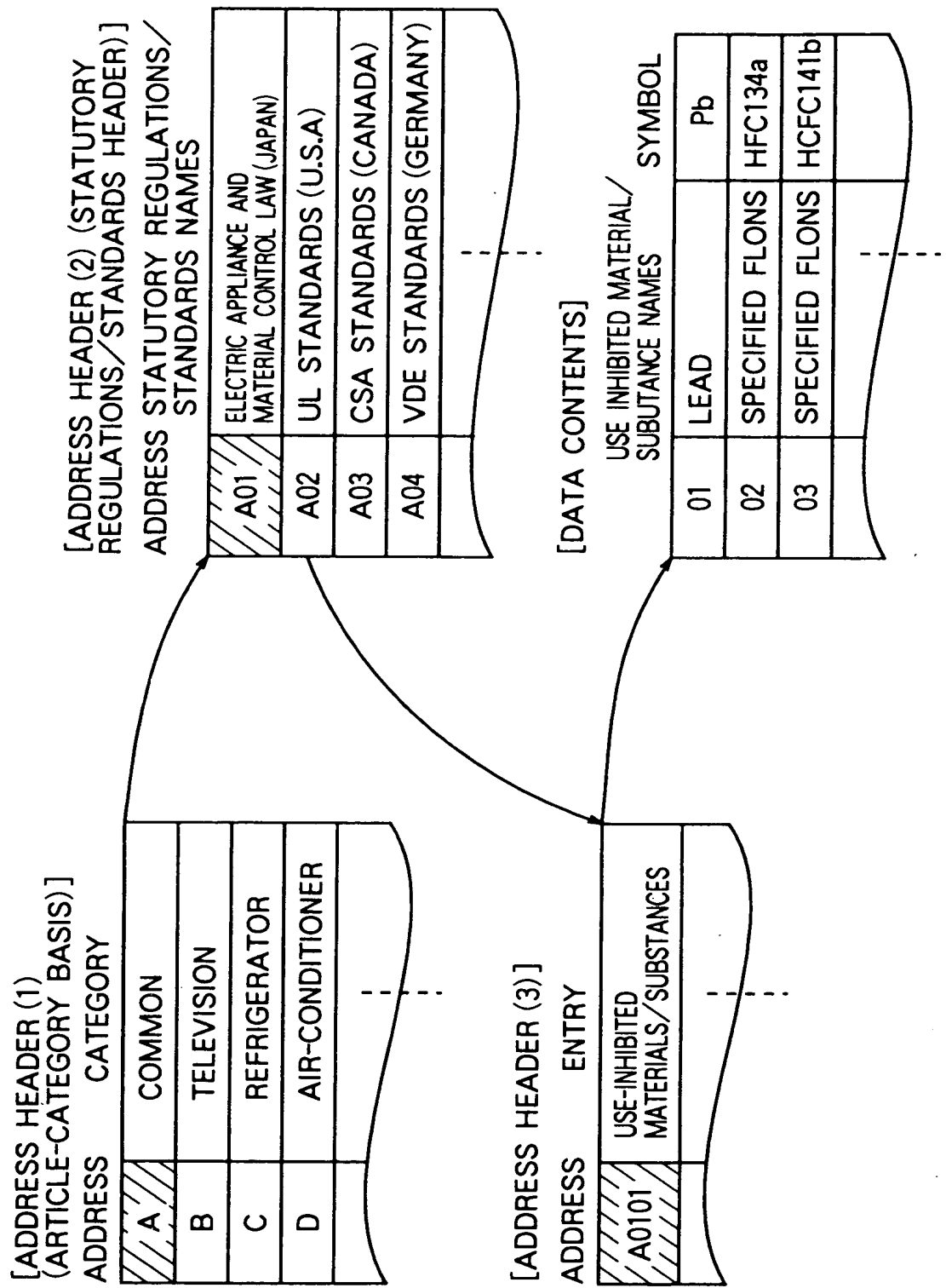


FIG. 9

EXAMPLE OF DATA OF MANUFACTURED ARTICLE SPECIFICATIONS INFORMATION

ADDRESS HEADER

ADDRESS HEADER ENTRY DATA SIZE

A	BASIC INFORMATION	50
B	DESIGN INFORMATION (1)	50
C	DESIGN INFORMATION (2) COMPONENT PART INFORMATION	40000
D	DESIGN INFORMATION (3) DISASSEMBLING METHOD INFORMATION	1000
E	:	

DATA FIELD

A ARTICLE MANUFACTURER MODEL MANUFACTURE MANUFACTURE RECYCLE-ALLOWABLE
CATEGORY NAME NAME ID NUMBER DATE LIFE LIMIT

CTV	HITACHI	C29ABC	000205	198902	3
-----	---------	--------	--------	--------	---

OUTER DIMENSIONS

SCREEN SIZE	(W)	(H)	(D)	WEIGHT	DISSIPATION POWER
29	500	500	450	40.0	120

C	PART NUMBER	PART NAME	MATERIAL/ SUBSTANCE		MATERIAL/PART MANUFACTURER		REUSE- DESTINED		USE- HISTORY (YEARS)	PART EXCHANGE DATE	
			CATEGORY	MATERIALS/ SUBSTANCES NAME	MATERIAL/ PART GRADE	WEIGHT	NUMBER				
1	BEZEL		P	PS	ABC	PS10	2000	1	0	0	0000
2	COVER		P	PS	ABC	PS30	3000	1	0	0	0000
3	PWB ASSY		PWB	Pb+Cu+e.t.c	—	A55	3500	1	0	0	0000
4	HOLDER		P	PS	DEF	B60	200	1	0	0	0000
5	CRT		CO	Pb+Glass	HIT	C29A	20000	1	1	0	0000
6	DY		CO	PPE+Cu	HM	DY29	600	1	1	0	9205
7	CABLE		CO	PVC+Cu	HD	CA100	300	10	0	3	0000
8	SPEAKER		CO	—	NC	SP10	1000	2	1	0	0000
9	S.METAL		M	Fe	NS	SECC	400	-2	1	0	0000

00104-02100

FIG. 10

EXAMPLE OF MARKET INFORMATION DATABASE

[ADDRESS HEADER (1)]

ADDRESS ENTRY

A	MARKET PRICE INFORMATION OF USED-ARTICLES
B	DEMAND INFORMATION OF USED-PARTS

[ADDRESS HEADER (2) (ARTICLE-CATEGORY BASED)]

A01	COLOR TELEVISION
A02	REFRIGERATOR
A03	AIR-CONDITIONER

[USED-ARTICLE MARKET PRICE INFORMATION DATA]

	ARTICLE MODEL NAME	MANUFACTURE YEAR	STANDARD MARKET PRICE
01	C29ABC1	90	3000
02	C29ABC1	91	5000
03	C25DEF2	90	2000

[ADDRESS HEADER (2) (ARTICLE-CATEGORY BASED)]

B01	COLOR TELEVISION
B02	REFRIGERATOR

[DATA OF USED-PART DEMAND INFORMATION]

PART TYPE	PART CATEGORY	MANUFACTURE YEAR	DEMANDED NUMBER		BUYER
			PURCHASE PRICE		
DY100	DEFLECTING YOKE	90	10	300	SERVICE CENTER A
CRTC29F	CRT	91	3	3000	SERVICE CENTER B

0902104072100

```
[FACTORY NAME : FACTORY A]
(ADDRESS HEADER)
ADDRESS
```

A	FACILITIES INFORMATION	
B	TREATMENT WORK COST INFORMATION	
C		

1.CRUSHER				
NO	NAMES	TREATMENT-DESTINED OBJECT	TREATABLE OBJECT SIZE	TREATMENT COSTS
1	ORDINARY SHREDDER	EXCLUSIVE OF HARMFUL/ HAZARDOUS MATERIALS/ SUBSTANCES AND METAL BLOCKS	300×300×300 (mm)	100 YEN/MIN
2	SHREDDER FOR METAL BLOCKS	METAL BLOCKS	300×300×300 (mm)	200 YEN/MIN
2.CUTTER				
NO	NAMES	TREATMENT-DESTINED OBJECT	TREATABLE OBJECT SIZE	TREATMENT COSTS
1	CUTTER	EXCLUSIVE OF HARMFUL/ HAZARDOUS MATERIALS/ SUBSTANCES AND METAL BLOCKS	1000×1000×1000 (mm)	50 YEN/MIN

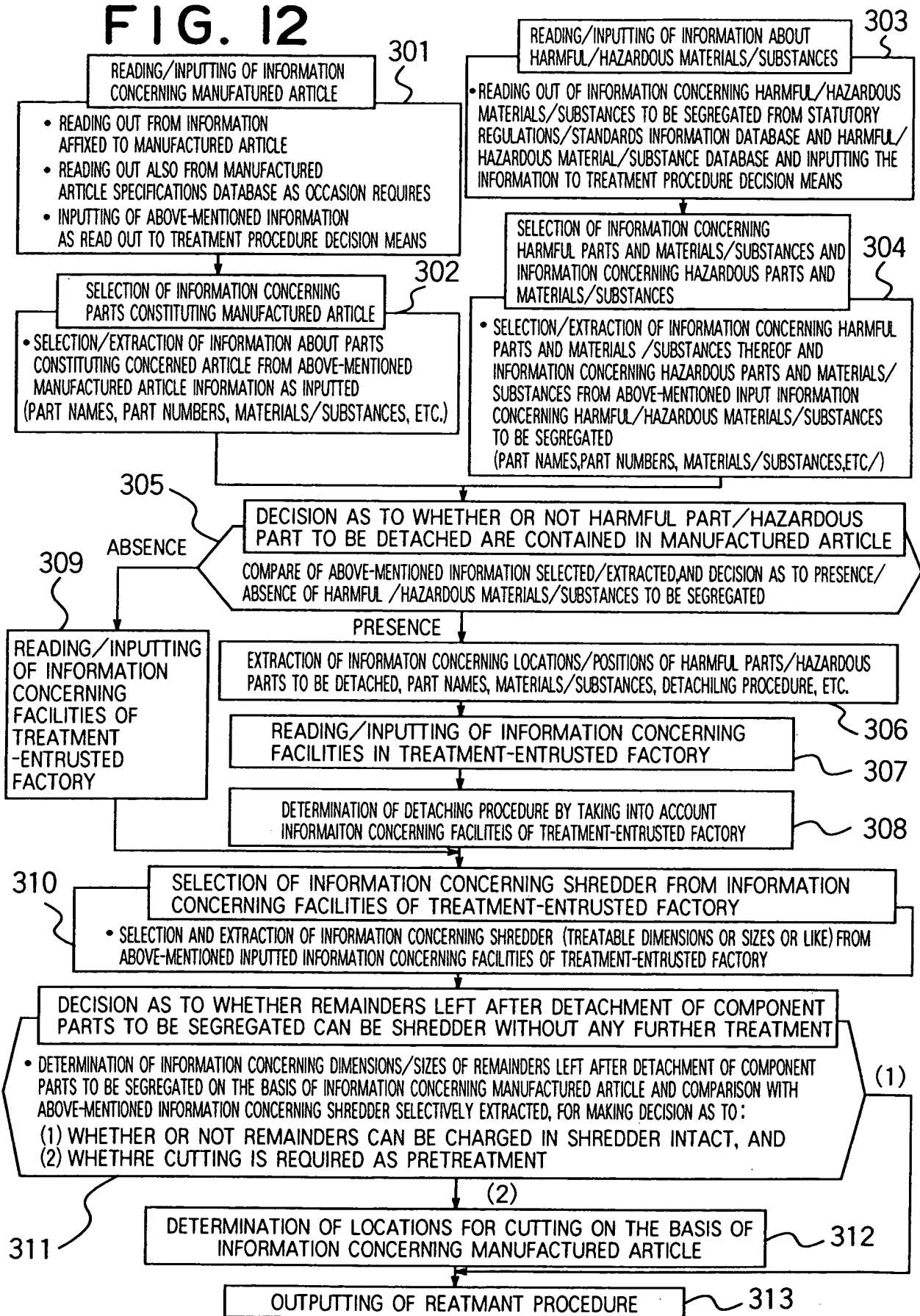
1.DETACHMENT OF SCREW			
NO	TYPES (NAMES)	COST	
1	M3×10	3YEN	
2	M3×16	4YEN	

2.LIFTING (↑)			
NO	WEIGHT	MAXIMUM LENGTH	COST
1	~1Kg	~500mm	2YEN

○.CUTTER			
NO	CUT SURFACE DIMENSION	COST	
1	~10000cm ²	2YEN	
2	~20000cm ²	5YEN	

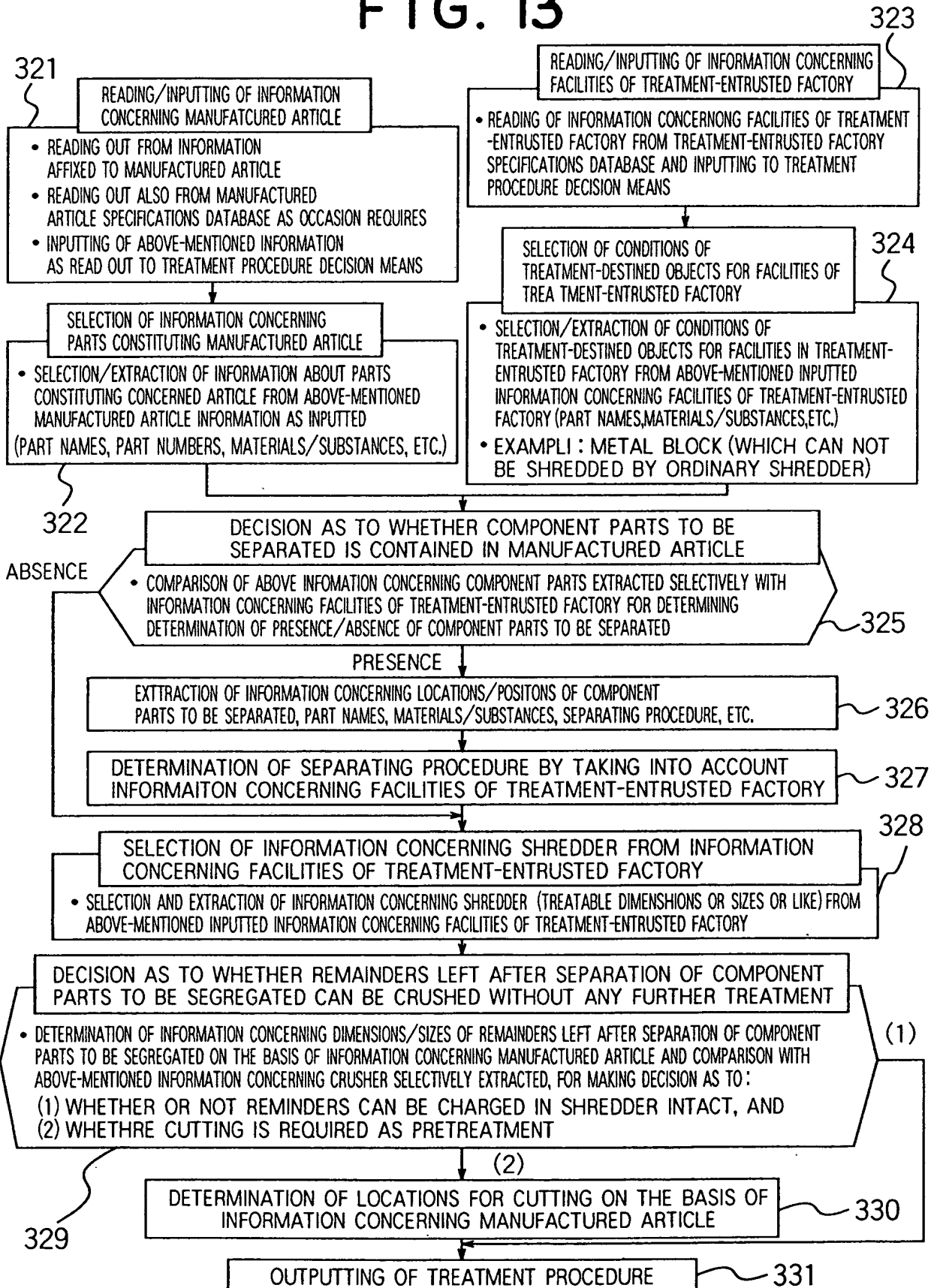
○.DETACHING OF SNAP-FIT ⊕ LIFTING (↑ S)			
NO	—	COST	
1	PER LOCATION	5yen	

FIG. 12



00621054.072100

FIG. 13



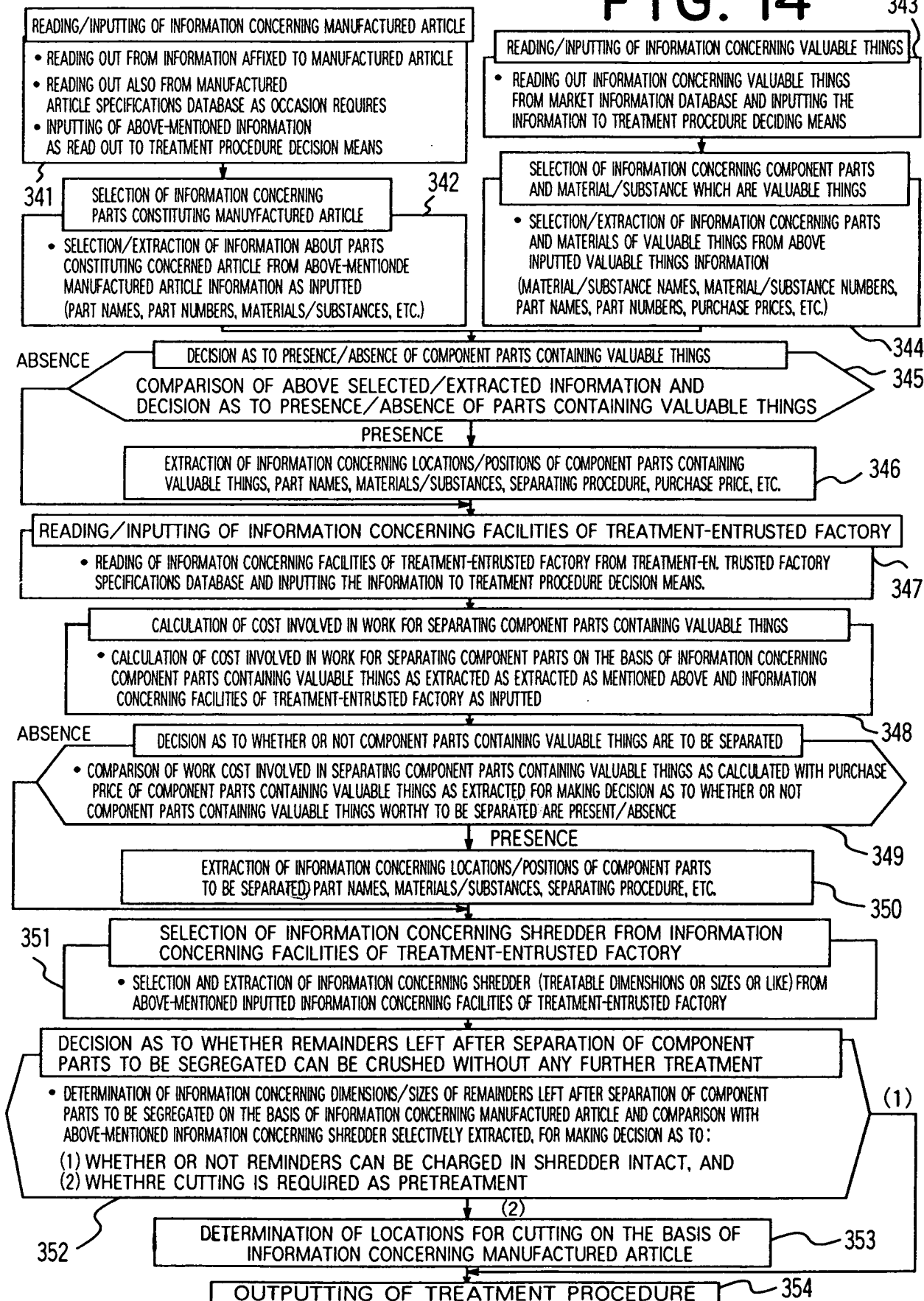
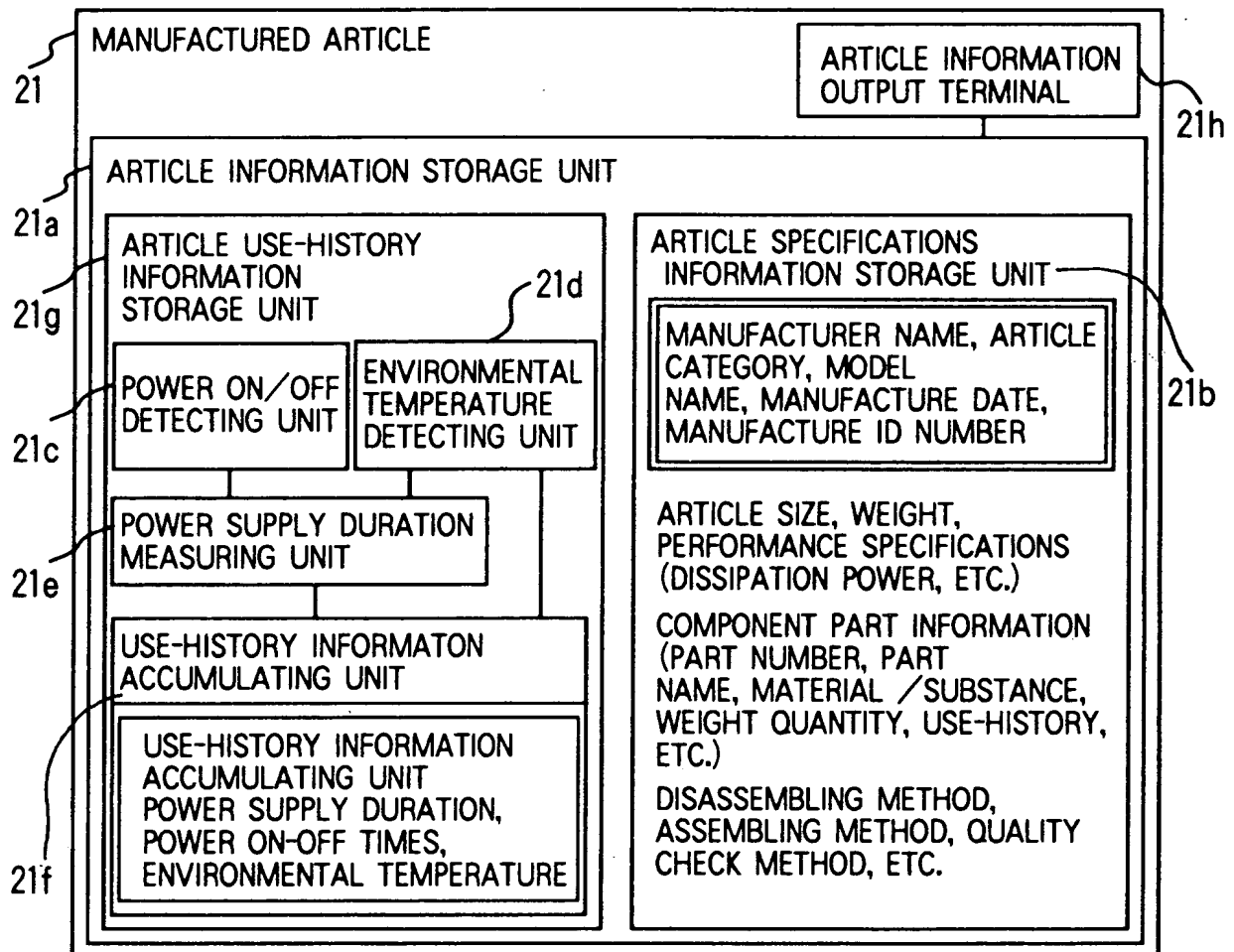


FIG. 15



09621054-072100

FIG. 16

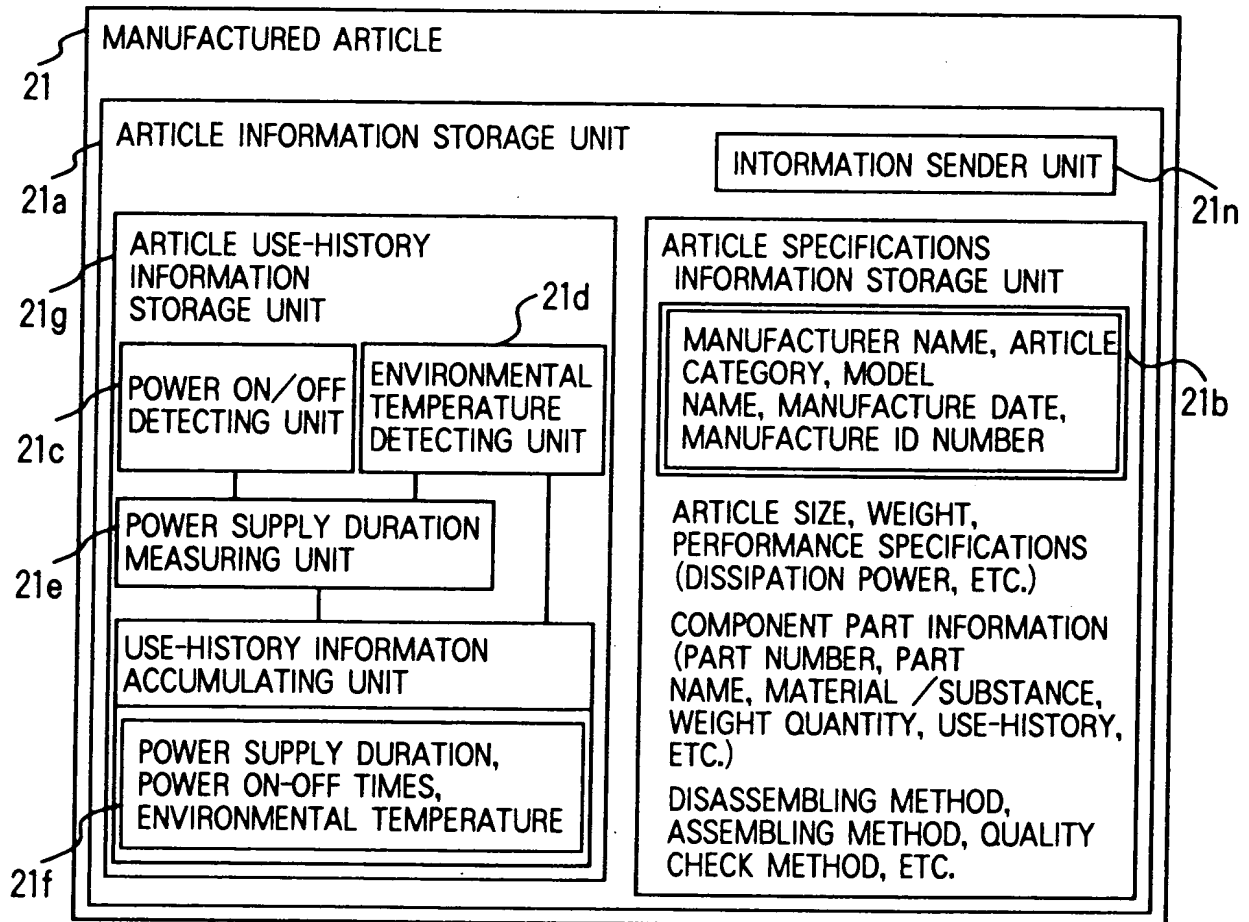
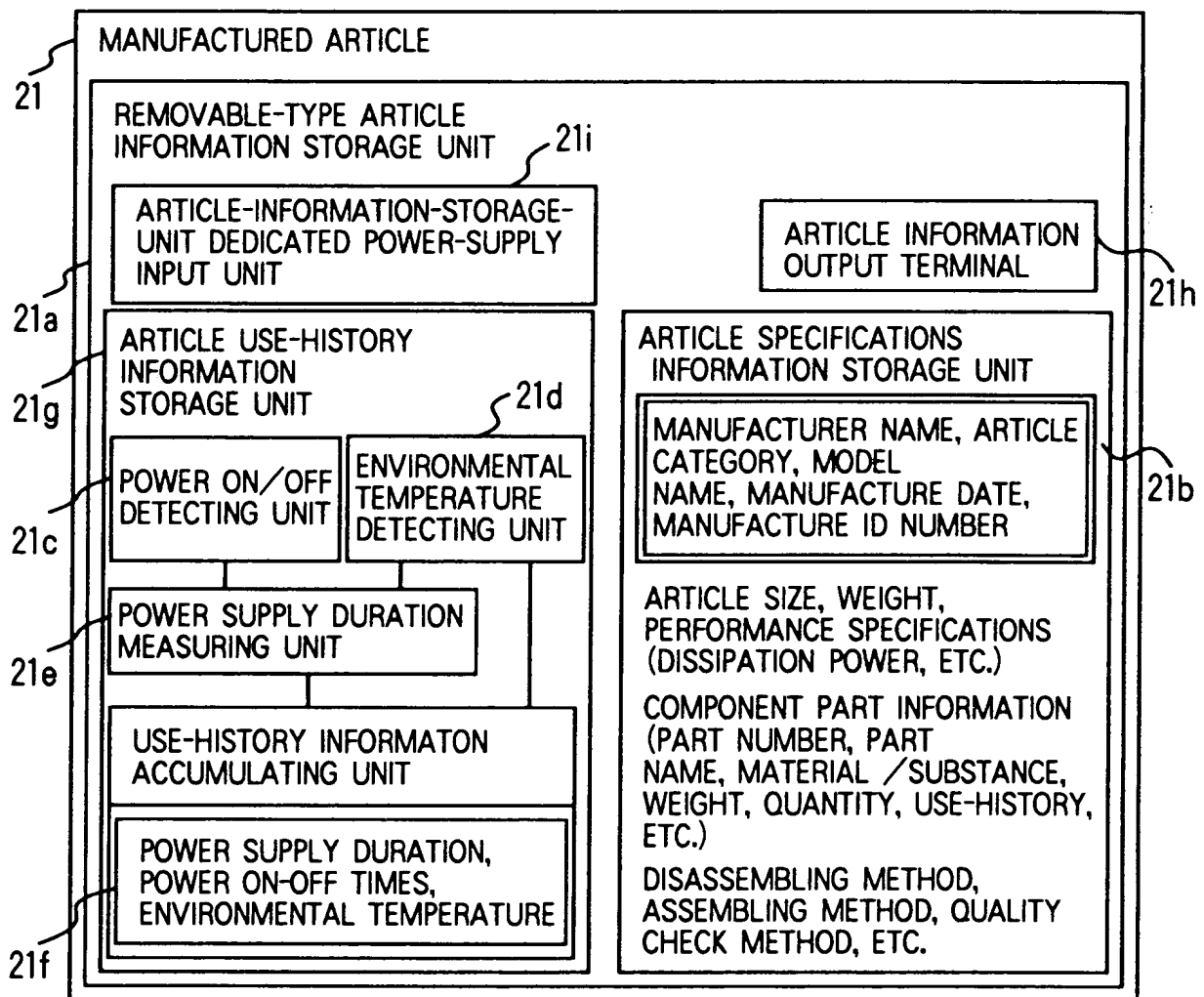
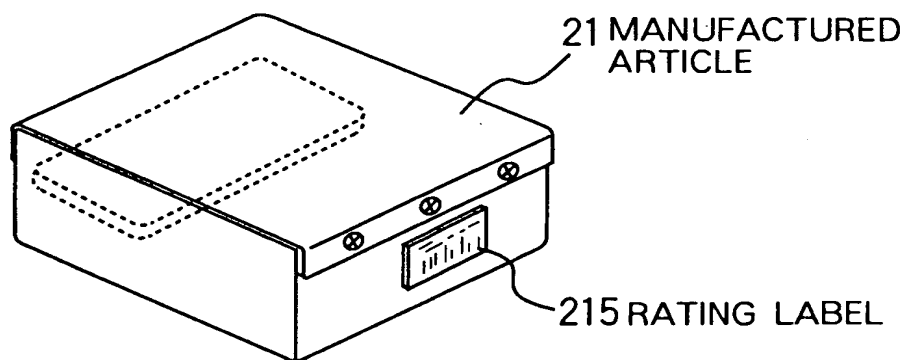
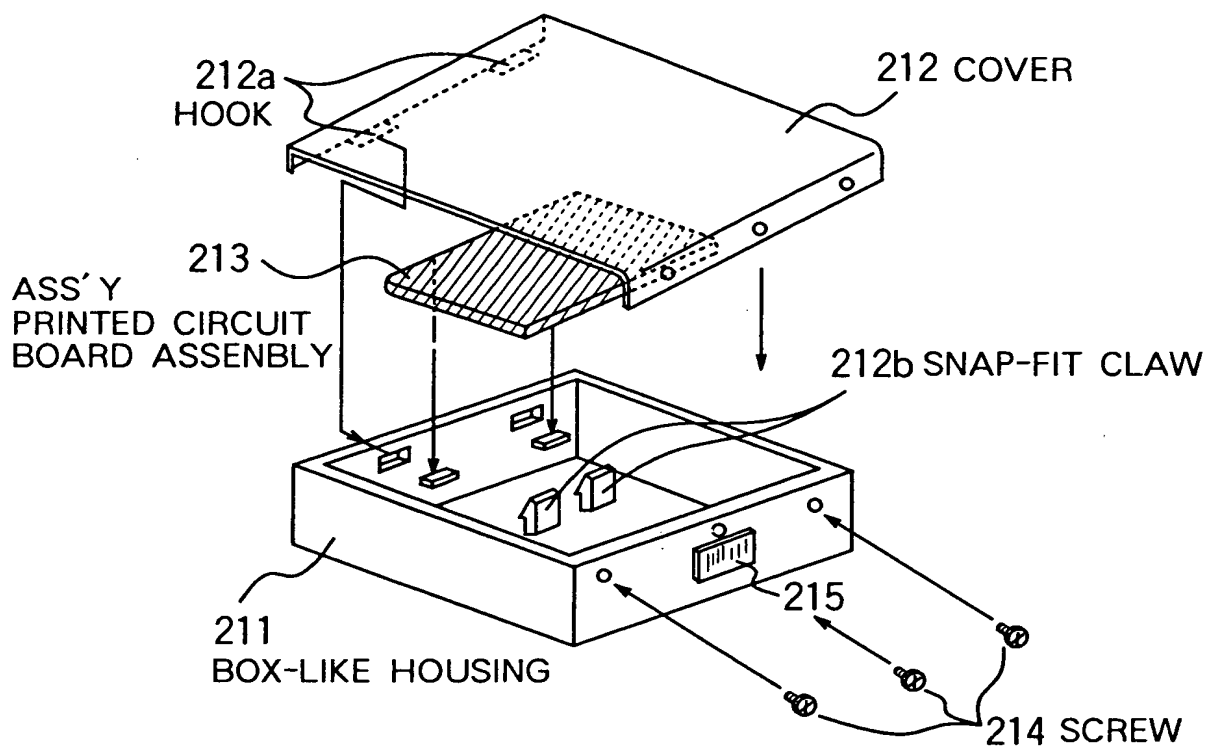


FIG. 17



09621054-072100

FIG. 18



001220 15012960

FIG. 19

EXAMPLE OF DATA OF ARTICLE SPECIFICATION INFORMATION

[ADDRESS HEADER]
ADDRESS HEADER ENTRY

A	BASIC INFORMATION
B	DESIGN INFORMATION (1) COMPONENT PART INFORMATION
C	DESIGN INFORMATION (2) SIZE INFORMATION

A : BASIC INFORMATION

ARTICLE CATEGORY	MANUFACTURER NAMES	MODEL NAME	MANUFACTURE ID NUMBER	MANUFACTURE DATE	WEIGHT
PRINTED CIRCUIT BOARD UNIT	HITACHI	A-1	90101	199002	1603g

B : DESIGN INFORMATION (1) COMPONENT PART INFORMATION

NO	PART NAME	PART CODES	MATEREIALS/ SUBSTANCES	MATERIAL-PART MANUFACTURER	MATERIAL GRADE	WEIGHT
1	BOX-LIKE HOUSING	32786	PS	ABC	PS10	1000
2	COVER	21937	Al	CDE	Al100p	200
3	PRINTED CIRCUIT BOARD ASSEMBLY	45789	Pb,Cu,	NC	—	400
4	RATING LABEL	11573	PAPER	SM	HIGH-QUALITY PAPER	1
5	M3X16 SCREW	23578	Fe	TK	Fe1	1

C : DESIGN INFORMATION (2) SIZE
INFORMATION (STORED AS THREE-
DIMENSIONAL CAD DATE)

- ARTICLE SIZE
- PART SIZE
- PART LOCATION SIZE
- WEIGHT
- CUTTING MARGIN POSITION,ETC.

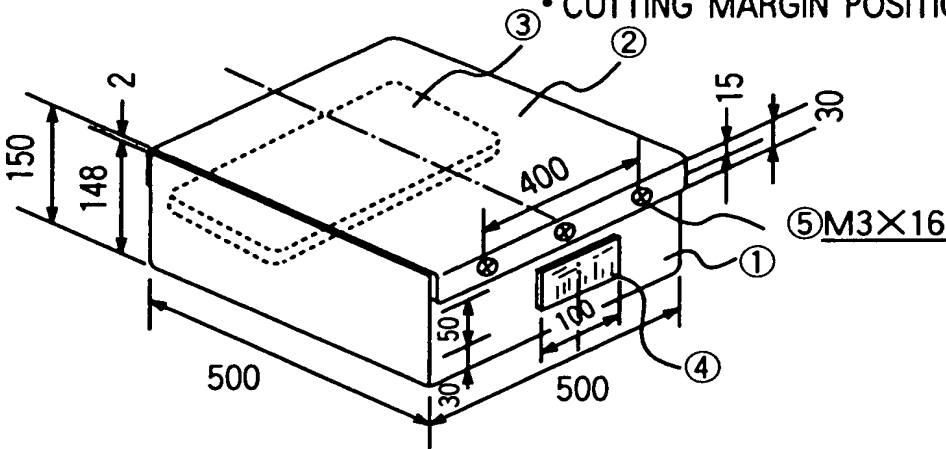
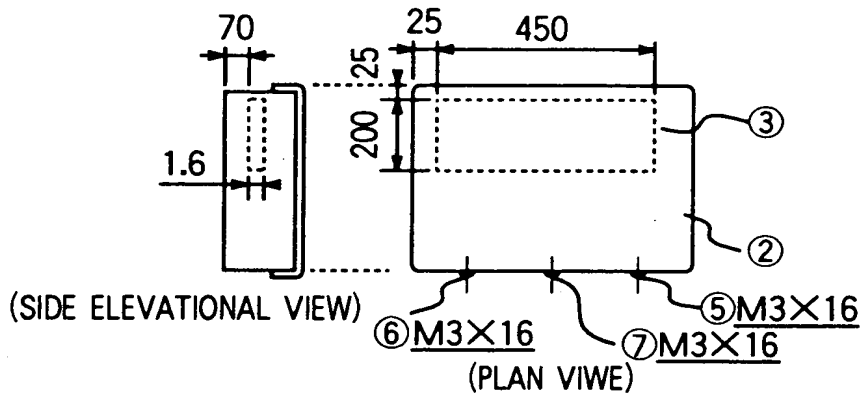


FIG. 20

(CONTINUATION OF C DESIGN INFORMATION (2))



D: DESIGN INFORMATION (3) PART SEPARATION/DISINTEGRATING PROCEDURE

			DETACHING DISINTEGRATING PROCEDURE	
NO	PART NAMES	PART CODES	DISASSEMBLING (WITHOUT DESTROYING ARTICLE)	DISINTEGRATING (ALLOWING DESTRUCTION)
1	BOX-LIKE HOUSING	32786	SCREWS NOS.5,6,7 (⊕CROSS-HEAD SCREW-DRIVER) / COVER ↑ / PRINTED CIRCUIT BOARD ASSEMBLY ↑ S	—
2	COVER	21937	SCREWS NOS.5,6,7 (⊕CROSS-HEAD SCREW-DRIVER) / COVER ↑	—
3	PRINTED CIRCUIT BOARD ASSEMBLY	45789	SCREWS NOS.5,6,7 (⊕CROSS-HEAD SCREW-DRIVER) / COVER ↑ / PRINTED CIRCUIT BOARD ASSEMBLY ↑ SX2	MANUFACTURED ARTICLE (CUTTER / COVER / PRINTED CIRCUIT BOARD ASSEMBLY)

(AVAILABILITY OF MORE DETAILED PROCEDURE INFORMATION)

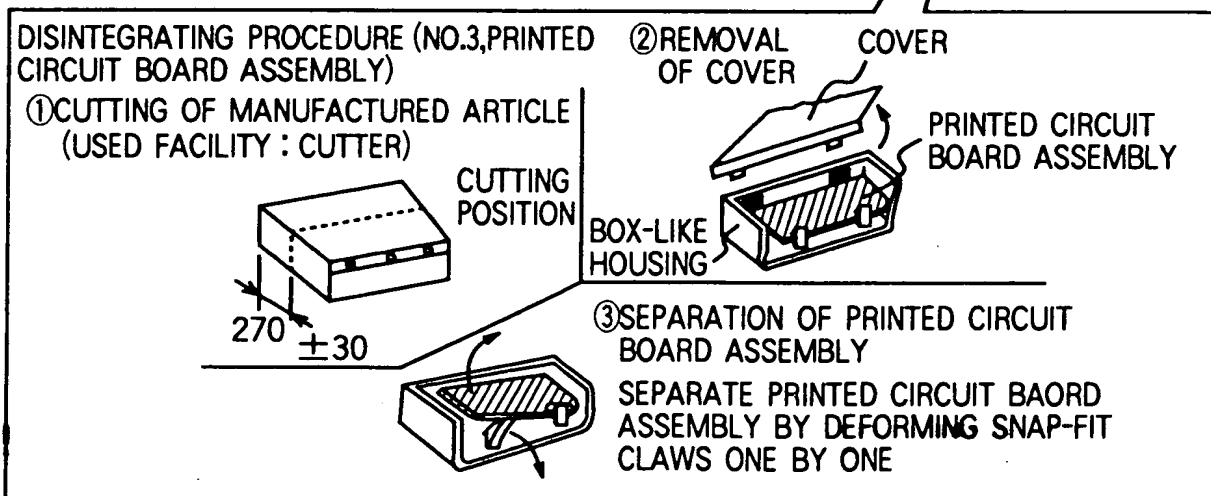


FIG. 21

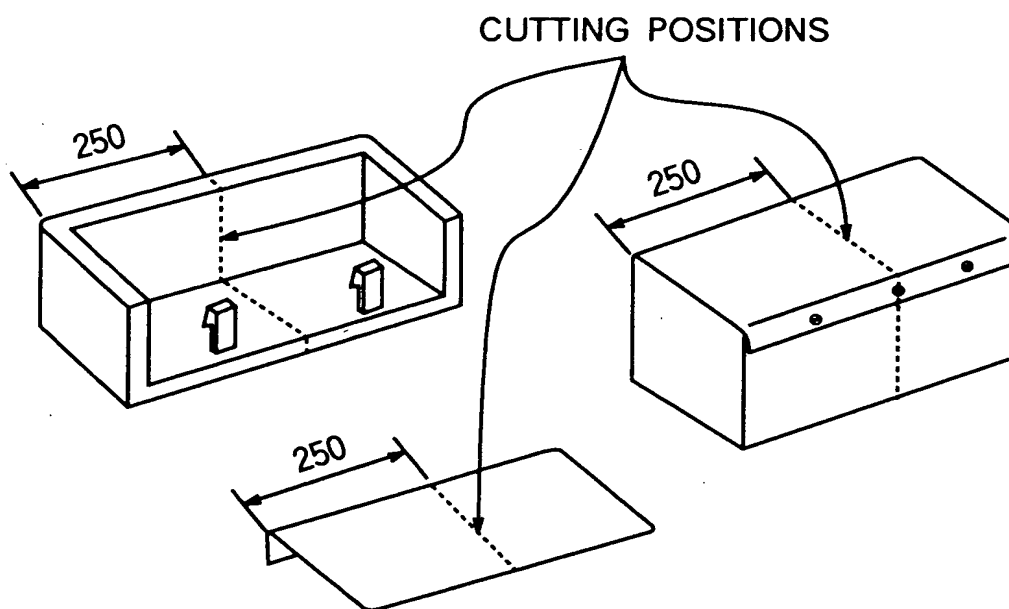
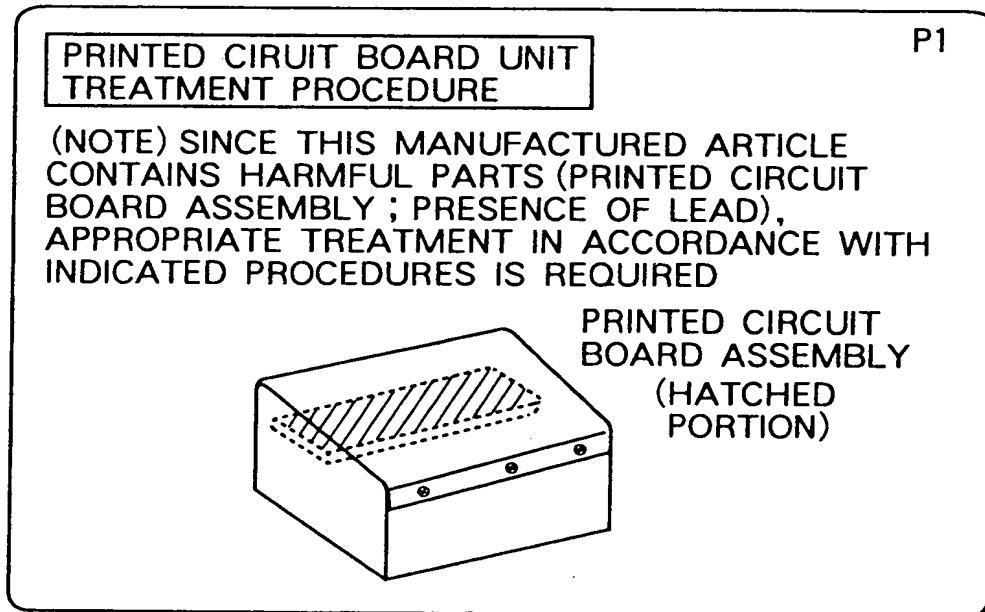


FIG. 22

OUTPUT IMAGE (P1)



OUTPUT IMAGE (P2)

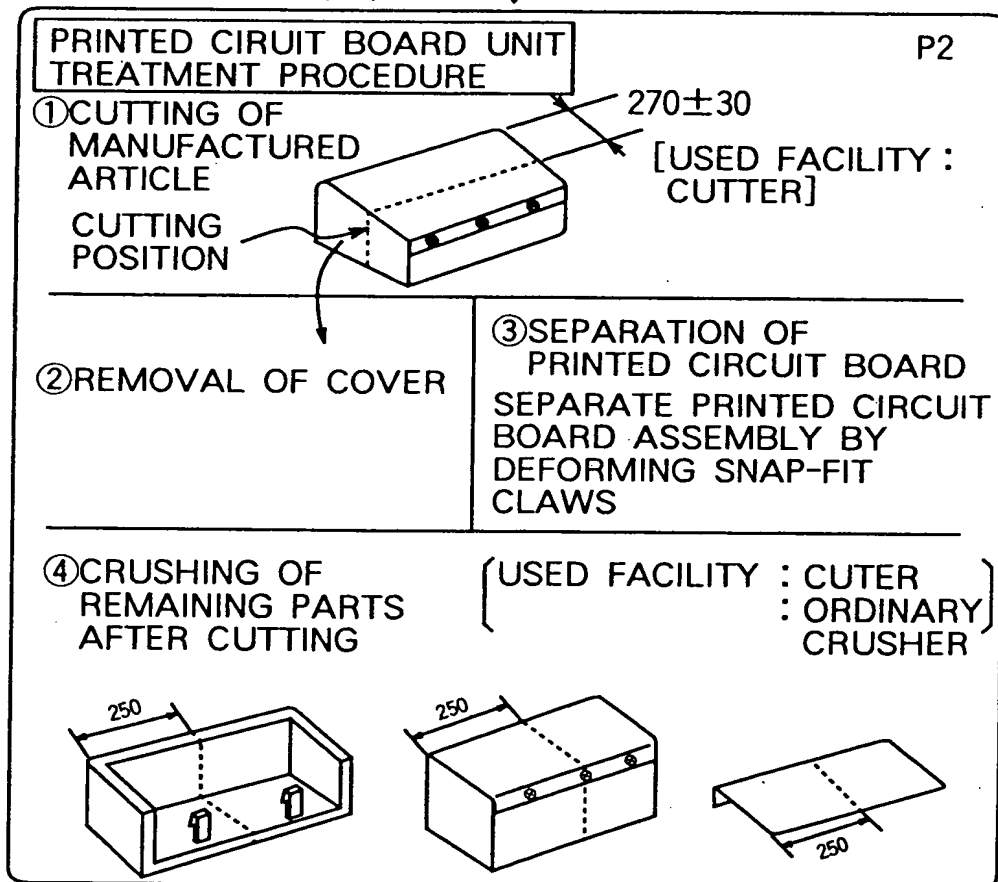


FIG. 23

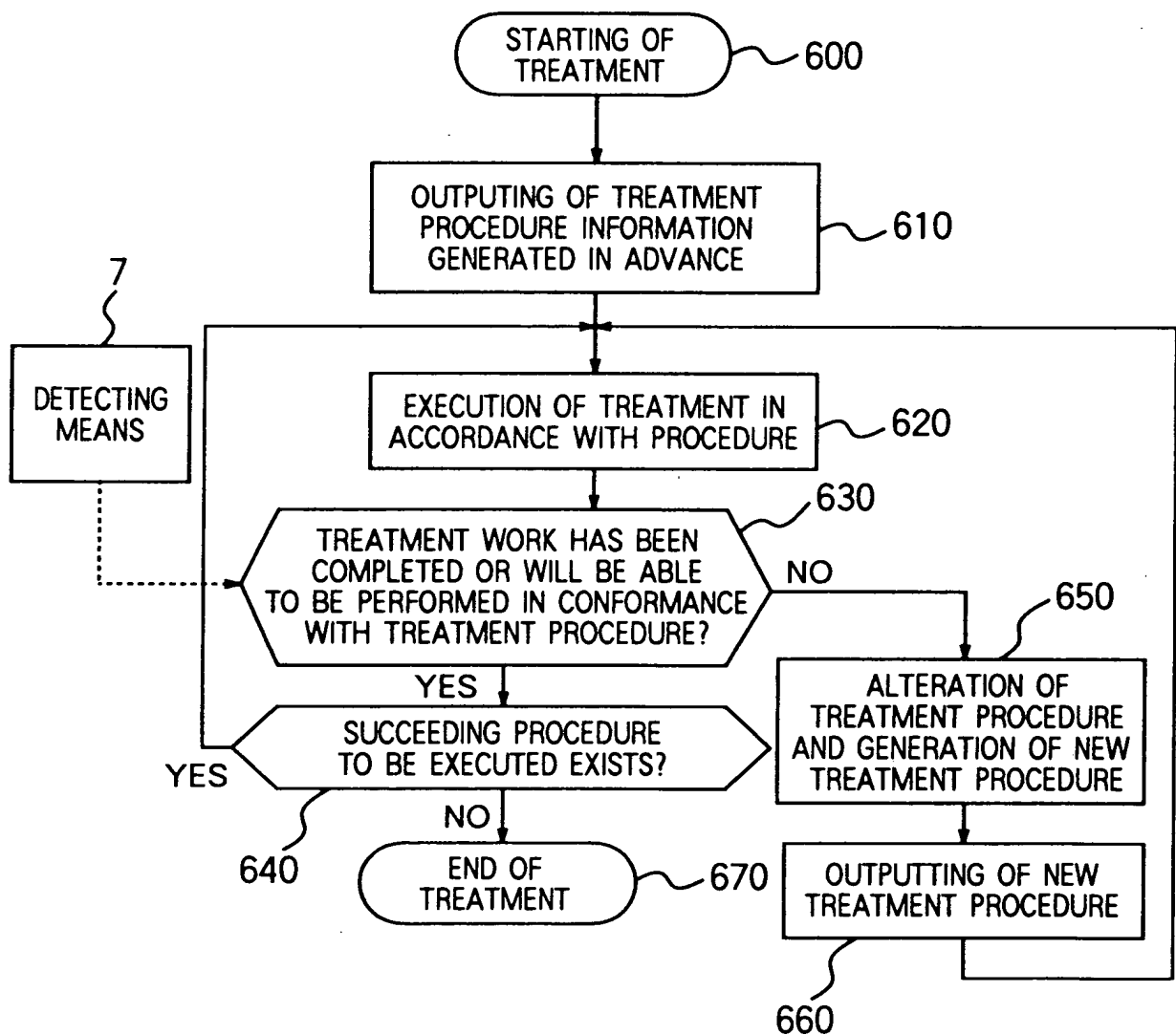


FIG. 24

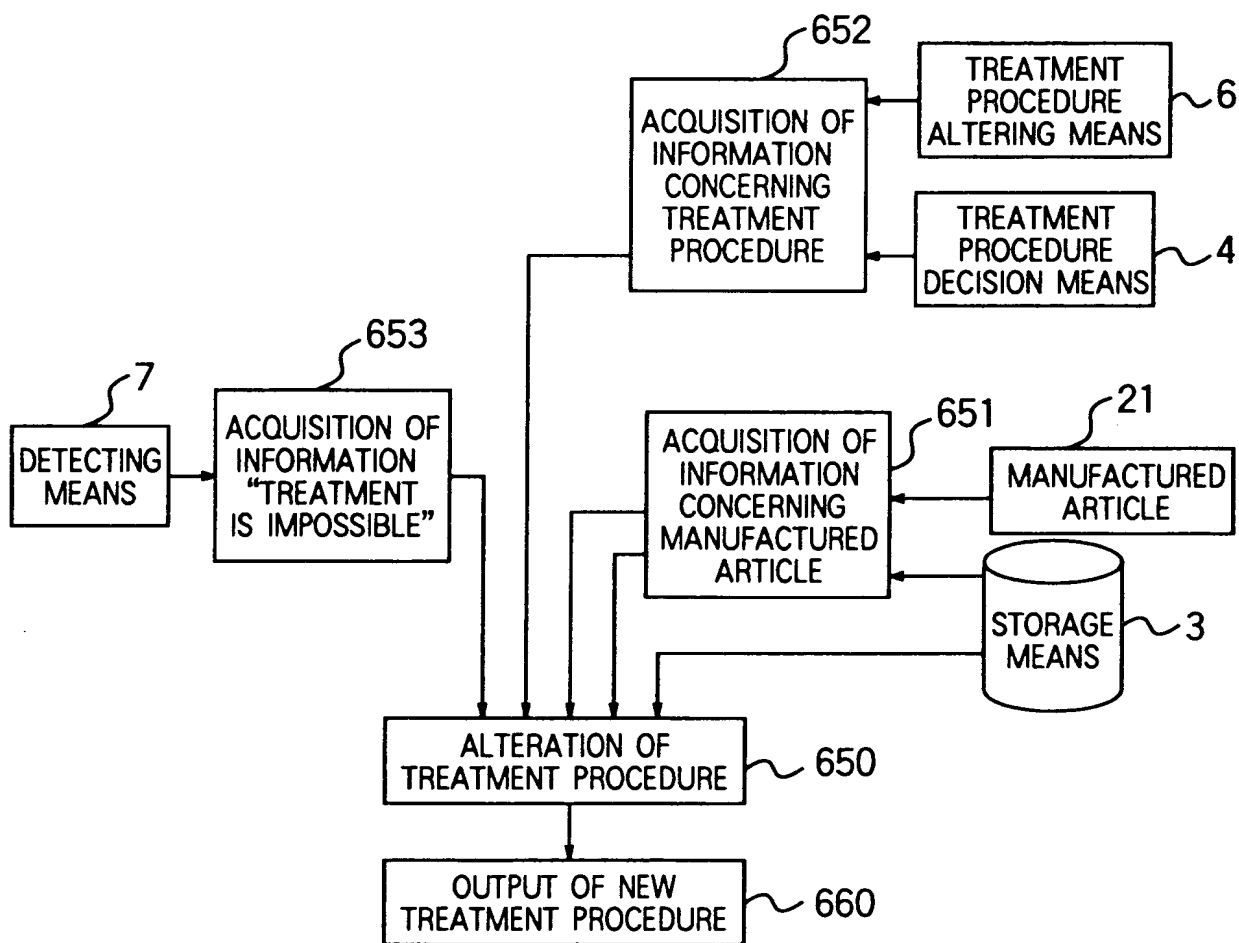


FIG. 25

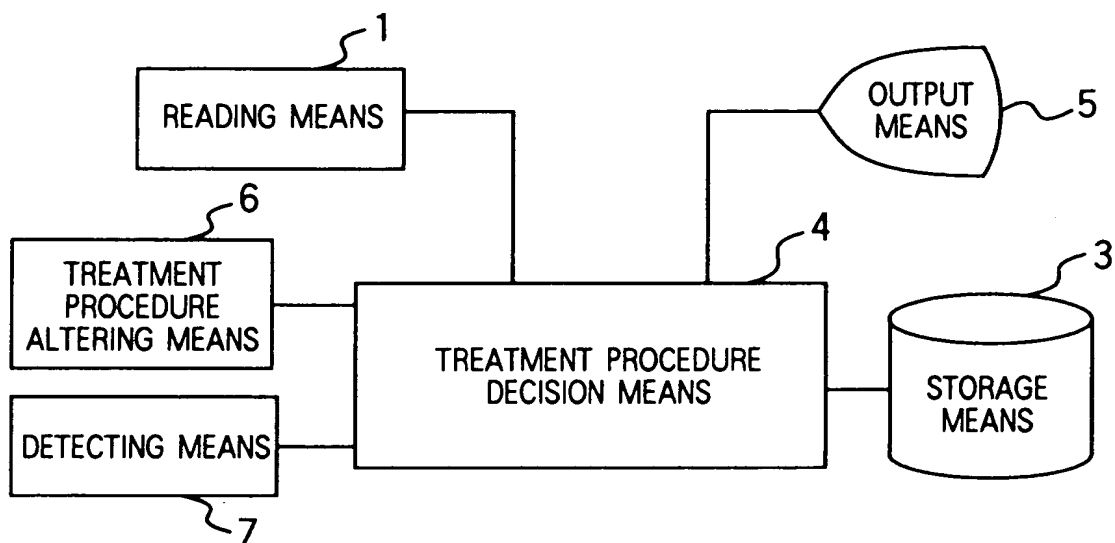


FIG. 26

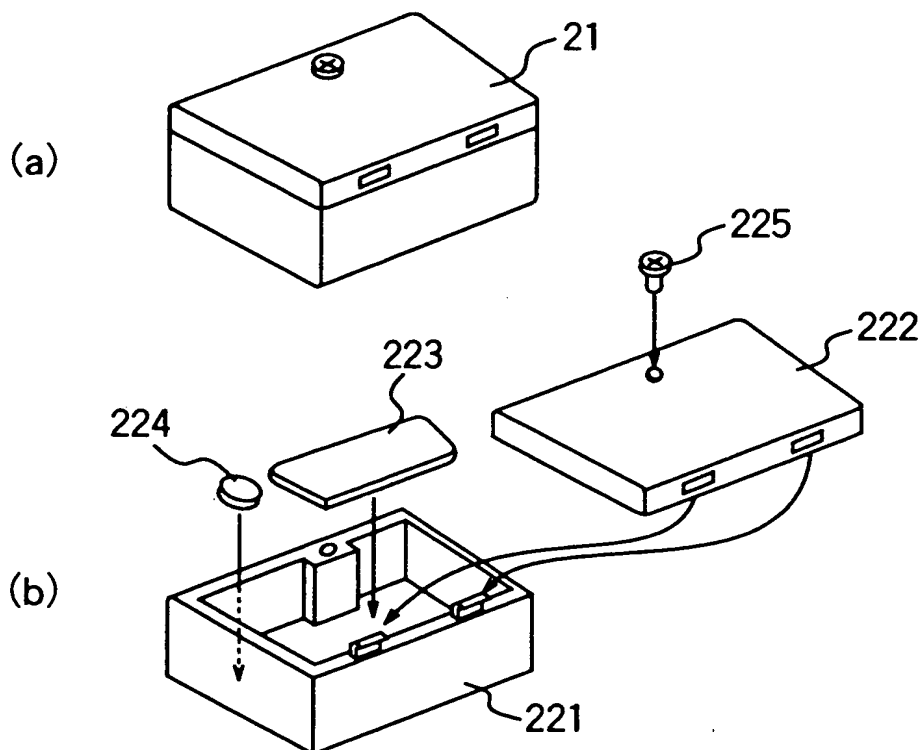


FIG. 28

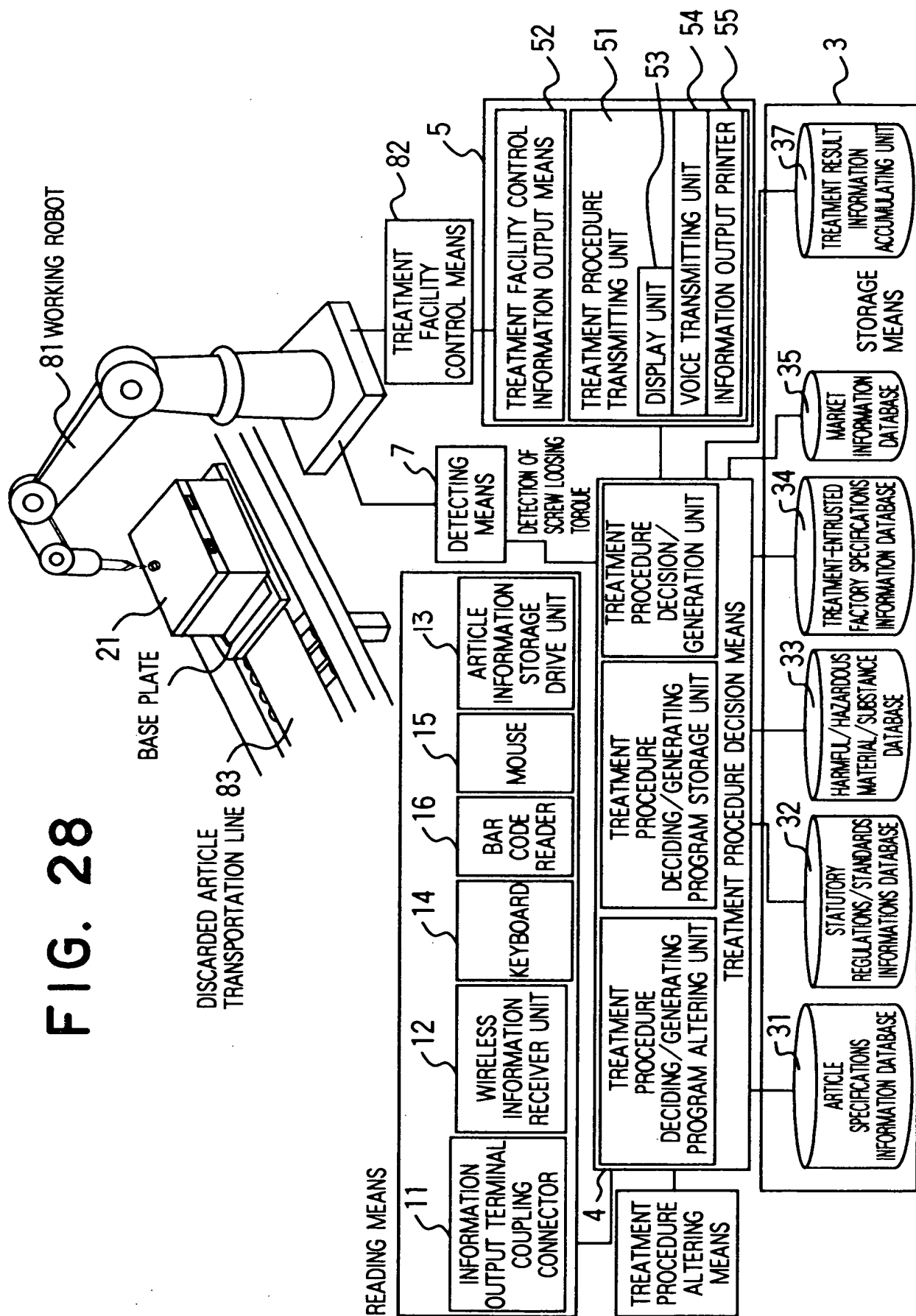
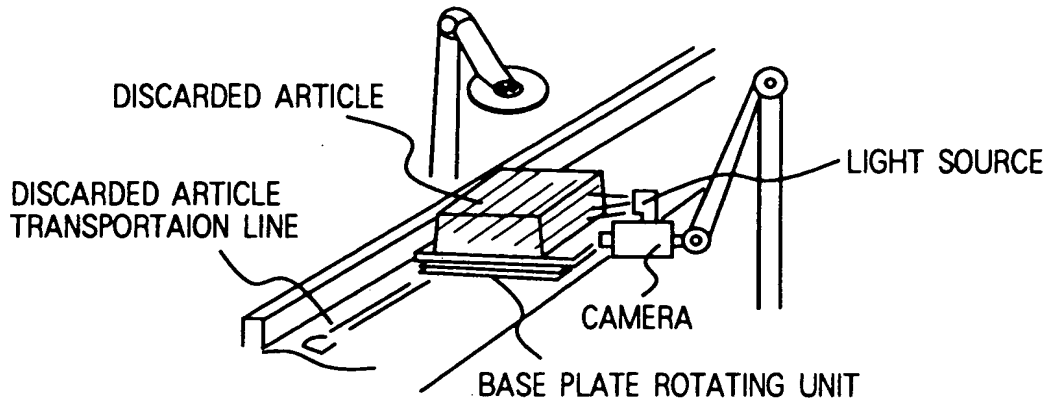


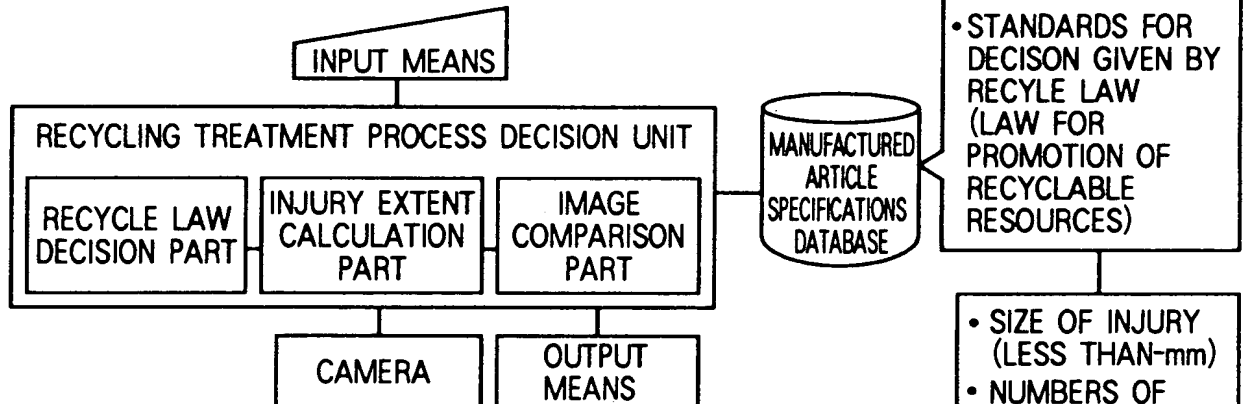
FIG. 29

DISCARDED ARTICLE CRANE (FOR LIFTING
DISCARDED ARTICLE UNDER SUCTION FOR
POSITIONING REAR SIDE TOWARD CAMERA)

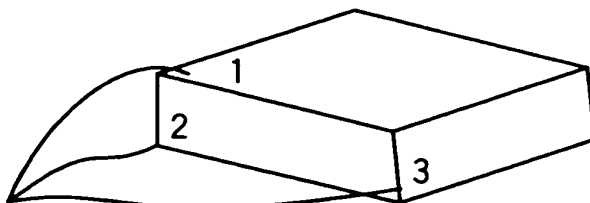


PICTORIAL IMAGE OF RECYCLING FACTORY

DISCARDED ARTICLE ID CODE



CONFIGURATION OF RECYCLE SYSTEM



MANUFACTURED ARTICLE AFFIXED WITH
CODES FOR IDENTIFYING SURFACES

MANUFACTURED ARTICLE

- SIZE OF INJURY (LESS THAN-mm)
- NUMBERS OF INJURIES
- FIRST SURFACE FEWER THAN
- SECOND SURFACE FEWER THAN
- THIRD SURFACE FEWER THAN
- FOURTH SURFACE FEWER THAN

FIG. 30

SEPARATING PROCEDURE				
NO	PART NAMES	PART CODE	DISASSEMBLING (WITHOUT DESTROYING MANUFACTURED ARTICLE)	DISINTEGRATION (ALLOWING DESTRUCTION)
1	BOX-LIKE HOUSING	32786	SCREWS NOS.5,6,7 (⊕CROSS-HEAD SCREW-DRIVER)/COVER ↑ /PRINTED CIRCUIT BOARD ASSEMBLY ↑ S	—
2	COVER	21937	SCREWS NOS.5,6,7 (⊕CROSS-HEAD SCREW-DRIVER)/COVER ↑	—
3	PRINTED CIRCUIT BOARD ASSEMBLY	45789	SCREWS NOS.5,6,7 (⊕CROSS-HEAD SCREW-DRIVER)/COVER ↑ /PRINTED CIRCUIT BOARD ASSEMBLY ↑ SX2	MANUFACTURED ARTICLE (CUTTER/COVER ↑ /PRINTED CIRCUIT BOARD ASSEMBLY ↑ S)

DETACHING PROCEDURE	FACILITY				
	SCREW-DRIVER	SHREDDER	CUTTER A	CUTTER B	
PATTERN A	○				
PATTERN B			○		
PATTERN C		○			

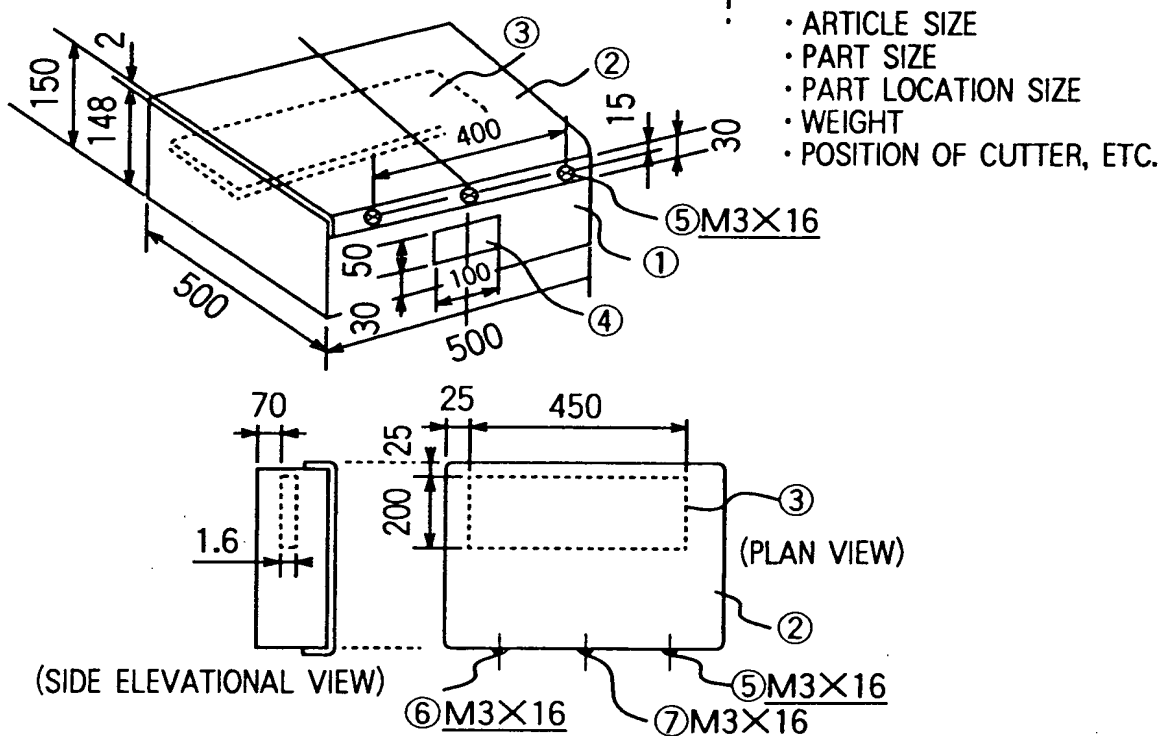
FIG. 31

(A FACILITIES INFORMATION)

1.SHREDDER		
NO	NAMES	TERATMENT-DESTINED OBJECT
1	ORDINARY SHREDDER	EXCLUSIVE OF HARMFUL/ HAZARDOUS MATERIAL/ SUBSTANCE AND METAL BLOCKS
2	SHREDDER FOR MEEAL BLOCK	METAL BLOCKS
2.CUTTER		
NO	NAMES	TERATMENT-DESTINED OBJECT
1	CUTTER	EXCLUSIVE OF HARMFUL/ HAZARDOUS MATERIAL/ SUBSTANCE AND METAL BLOCKS

FIG. 32

N0	PART NAMES	PART SIZE	MATERIALS/SUBSTANCES
1	BOX-LIKE HOUSING	32786	PS
2	COVER	21937	Al
3	PRINTED CIRCUIT BOARD ASSEMBLY	45789	Pb,Cu
4	RATING LABEL	11573	PAPER
5	M3X16SCREW	23578	Fe



DETACHING PROCEDURE				
NO	PART NAMES	PART CODES	DISASSEMBLING (WITHOUT DESTROYING MANUFACTURED ARTICLE)	DISINTEGRATION (ALLOWING DESTRUCTION)
1	BOX-LIKE HOUSING	32786	SCREWS NOS.5,6,7 (⊕CROSS-HEAD SCREW-DRIVER) / COVER ↑ / PRINTED CIRCUIT BOARD ASSEMBLY ↑ S	—
2	COVER	21937	SCREWS NOS.5,6,7 (⊕CROSS-HEAD SCREW-DRIVER) / COVER ↑	—
3	PRINTED CIRCUIT BOARD ASSEMBLY	45789	SCREWS NOS.5,6,7 (⊕CROSS-HEAD SCREW-DRIVER) / COVER ↑ PRINTED CIRCUIT BOARD ASSEMBLY ↑ S X2	MANUFACTURED ARTICLE (CUTTER / COVER ↑ / PRINTED CIRCUIT BOARD ASSEMBLY ↑ S)

FIG. 33

1.SHREDDER			
NO	NAMES	TERATMENT-DESTINED OBJECT	TREATABLE PART SIZE
1	ORDINARY SHREDDER	EXLUSIVE OF HARMFUL/ HAZARDOUS MATERIAL/ SUBSTANCE AND METAL BLOCKS	300×300×300 (mm)
2	SHREDDER FOR MEEAL BLOCK	METAL BLOCKS	300×300×300 (mm)
2.CUTTER			
NO	NAMES	TERATMENT-DESTINED OBJECT	TREATABLE PART SIZE
1	CUTTER	EXLUSIVE OF HARMFUL/ HAZARDOUS MATERIAL/ SUBSTANCE AND METAL BLOCKS	1000×1000×1000 (mm)

FIG. 34

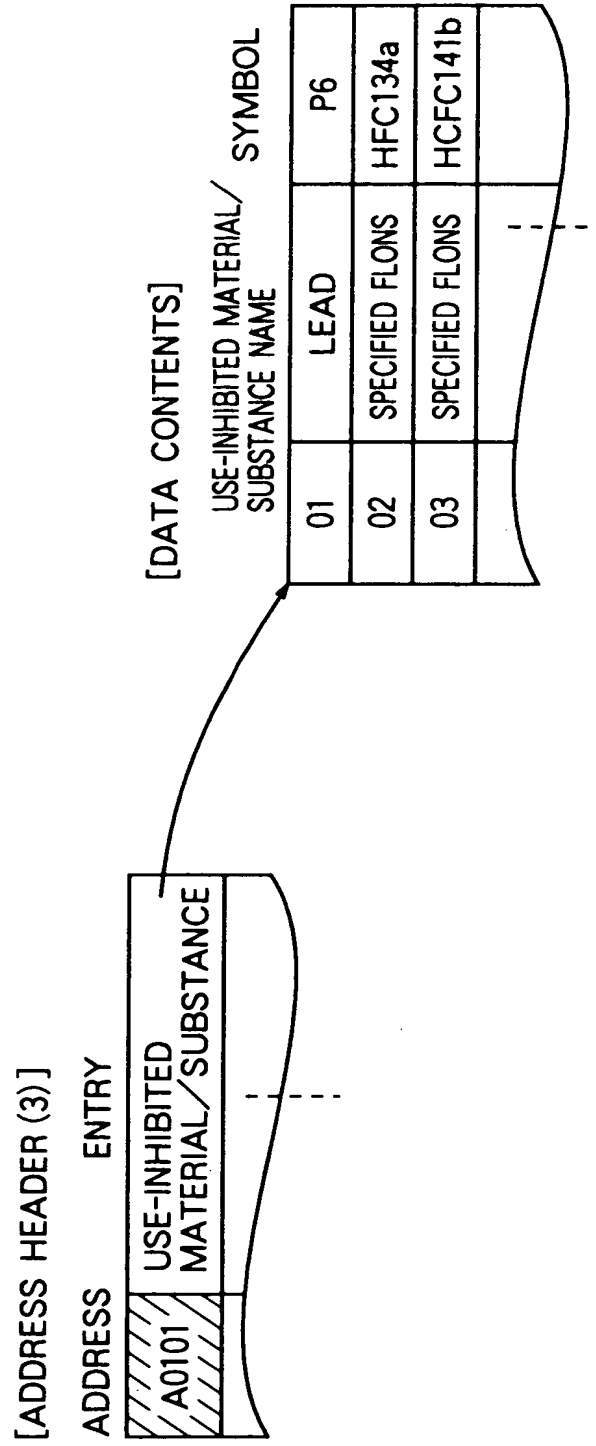


FIG. 35

1.SHREDDER	
NO	NAMES
1	ORDINARY SHREDDER
2	SHREDDER FOR METAL BLOCK
2.CUTTER	
NO	NAMES
1	CUTTER

FIG. 36

	SCREW- DRIVER	CUTTER	SHREDDER
SEPARATING PROCEDURE 1	○		○
SEPARATING PROCEDURE 2		○	○